

**SPACE AVAILABLE IN  
SPACE LAUNCH AND TRANSPORTATION SYSTEMS 10  
June 21 – 23, 2004 at Stennis Space Center**

*Please consult your Training Point of Contact for the proper procedure to follow in applying to attend this program.*

*If you have been through this program already and know someone else who might be interested please pass this information along!*

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This workshop provides an integrated view of space launch and transportation systems design and operations, from customer needs, objectives and requirements, through launch and transportation system design, development, test and manufacturing to creating operations concepts and infrastructure capabilities. Lifecycle cost and the business case will be assessed. The thrust of the workshop is to identify technical risk and mitigate it in the most cost-effective manner, while maintaining the technical integrity of the vehicle(s) and infrastructure.

The workshop summarizes and amplifies on the efforts of 67 industry and government professionals with over 1000 years—10 Centuries’-- of collective experience that examined SLTS design, reducing cost, and cost-effective launch operations. The workshop is packed with wisdom that the space industry has gained over the last 20-25 years of launch activities, including expendable, unmanned as well as reusable, crewed vehicles.

**WHO SHOULD ATTEND:**

This course is designed for a variety of space professionals who must interact with one another to produce, operate and use cost-effective space launch and transportation systems. Participants should include *managers* of all types, launch and transportation systems and subsystem *engineers, designers, analysts, operators* and *users* of launch systems. The material is especially useful to system engineers and project managers of new and existing systems.

**TOPICS INCLUDE:**

- Introduction
- Creating Alternative Space Launch and Transportation System Concepts and Architectures
- The Operating Environment—Hazards and Mitigation Techniques
- Launch Vehicle Conceptual Design
- Launch Operations Concept and Architecture
- The System Engineering Process for SLTS Development and Operations
- Subsystems—Basic Principles, Options, Sizing and Application
- Special Topics
- Integrating Examples

**TRAINING SITE INFORMATION:**

Stennis Space Center is the location for SLTS 10 (6/21 – 6/23). For those participating in this non-residential program from NASA Centers other than SSC, your Center will be responsible for travel, food and lodging. NASA HQ will cover tuition.

## HOW TO REGISTER

For a nomination form, please visit: <http://nasapeople.nasa.gov/training/nomform/netform.doc>

Please have the form filled out completely and consult your Training Point of Contact for the proper procedure to follow to apply to attend this program. Deadline for registration is April 19, 2004.

Center – Training Point of Contact:

ARC – Claire Smith, 650-604-0553

DFRC – James Lucero, 651-276-2460

GRC – Nona Akos, 216-433-8520

GSFC – Diane Severn, 301-286-4121

HQ – Sheila Jackson, 301-286-2022

JPL – Mark Lopez, 818-393-6878 or Sandy Dennis, 818-354-3751

JSC – Cheryl Mintz, 281-483-3003

KSC – Mark Thompson, 321-867-2351

LaRC – Rebecca Howlett, 757-864-3623 or Angie Greene, 757-864-8238

MSFC – Georgann Crump, 256-544-6525

SSC – Anita Douglas, 601-688-3697

## IF YOU HAVE ANY QUESTIONS:

Please contact Gina Coluzzi (RGI, Inc) at 703-820-4900, extension 110, or via email at [gcoluzzi@rgi-inc.com](mailto:gcoluzzi@rgi-inc.com).

For more information about NASA training programs, please visit:

<http://nasapeople.nasa.gov>